



GÖKHAN KAPLAN

DOÇ. DR.

E-posta : gkaplan@atauni.edu.tr

Uluslararası Araştırmacı ID'leri

ScholarID: iXKDMtYAAAAJ

ORCID: 0000-0001-6067-7337

Publons / Web Of Science ResearcherID: HIZ-7664-2022

Yoksis Araştırmacı ID: 45998



Öğrenim Bilgisi

Doktora
2012 - 2018
Manisa Celal Bayar Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği,
Türkiye

Yüksek Lisans
2009 - 2012
Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye

Lisans Yandal
2005 - 2009
Süleyman Demirel Üniversitesi, Türkiye

Yaptığı Tezler

Doktora, Çimento teknolojisinde sürfaktanların kullanımı ile sürdürülebilir çimento üretimi, Manisa Celal Bayar Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2018

Akademik Unvanlar / Görevler

Doç. Dr.
2022 - Devam Ediyor
Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği

Dr. Öğr. Üyesi
2020 - 2022
Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği

Desteklenen Projeler

- KAPLAN G., AYDIN A. C., ÖZ A., Yükseköğretim Kurumları Destekli Proje, Prepakt Betonlarda Atık Mermer Tozu ve Klinker Agregalı Geopolimer Bulamaçların Kullanılabilirliği, 2022 - 2023
- KAPLAN G., Yükseköğretim Kurumları Destekli Proje, Atapulgit Esaslı Alkaliler İle Aktive Edilen Malzemelerin

(AAM) Durabilite ve Mikroyapı Özellikleri, 2022 - 2022

3. KAPLAN G., Yükseköğretim Kurumları Destekli Proje, Hafif ve Yüksek Performanslı Çimento Esaslı Kompozitlerin Mikroyapı Özelliklerinin İncelenmesi, 2021 - 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

1. **Integration of reclaimed asphalt aggregates into glass fiber-reinforced alkali-activated composites: Mechanical performance and durability**
KILIÇ D., ÖZ A., Benli A., TORTUM A., KAPLAN G., AYDIN A. C.
Construction and Building Materials, cilt.458, 2025 (SCI-Expanded)
2. **Studying the metakaolin content, fiber type, and high-temperature effects on the physico-mechanical properties of fly ash-based geopolymer composites**
Bayrak B., Alcan H. G., Özelmacı Durmaz Ö. Ç., İpek S., KAPLAN G., Güneyisi E., AYDIN A. C.
Archives of Civil and Mechanical Engineering, cilt.25, sa.1, 2025 (SCI-Expanded)
3. **Sustainable foam concrete development: Enhancing durability and performance through pine cone powder and fly ash incorporation in alkali-activated geopolymers**
Bayraktar O. Y., Özel H. B., Benli A., Yılmazoğlu M. U., Türkel İ., Dal B. B., Şevik H., KAPLAN G.
Construction and Building Materials, cilt.457, 2024 (SCI-Expanded)
4. **Effective utilization of silica fume and waste colemanite in eco-sustainable prepacked geopolymers**
Alcan H. G., Benli A., ÖZ A., Bayrak B., KAPLAN G., AYDIN A. C.
Construction and Building Materials, cilt.457, 2024 (SCI-Expanded)
5. **Sustainable use of waste marble powder and reclaimed asphalt pavement as aggregates in slag/metakaolin-based self-compacting geopolymer composites: Properties and durability**
ÖZ A., KILIÇ D., Benli A., TORTUM A., KAPLAN G., AYDIN A. C.
Sustainable Chemistry and Pharmacy, cilt.42, 2024 (SCI-Expanded)
6. **Sustainable Use of Waste Tire Rubbers in Eco-Friendly and Lightweight Alkali-Activated Slag-Silica Fume Mortars**
Dheyaaldin M. H., Bayraktar O. Y., ÖZ A., KAPLAN G.
Journal of Materials in Civil Engineering, cilt.36, sa.12, 2024 (SCI-Expanded)
7. **Effect of hybrid fibers and high temperatures on the properties of geopolymer composites based on slag, metakaolin, and natural zeolite**
Tayeh B. A., Bayrak B., Zeyad A. M., KAPLAN G., ÖZ A., AYDIN A. C.
Construction and Building Materials, cilt.451, 2024 (SCI-Expanded)
8. **Sustainable use of recycled fine aggregates in steel fiber-reinforced concrete: Fresh, flexural, mechanical and durability characteristics**
Benli A., Bayraktar O. Y., KÖKSAL F., KAPLAN G.
Journal of Building Engineering, cilt.97, 2024 (SCI-Expanded)
9. **Effect of quaternary binder slag-based geopolymer slurries on mechanical durability and microstructural properties of green prepacked composites**
Alcan H. G., Dheyaaldin M. H., Toklu K., Bayrak B., Kaplan G., Aydın A. C.
Construction and Building Materials, cilt.450, 2024 (SCI-Expanded)
10. **Effect of $\text{Na}_2\text{SiO}_3/\text{NaOH}$ rate and natural zeolite content on basalt fiber reinforced eco-efficient slag-based geopolymer mortar synthesis**
Efe M., ÖZ A., Bayrak B., KAPLAN G., AYDIN A. C.
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, cilt.24, sa.4, 2024 (SCI-Expanded)
11. **Engineering and microstructural properties of environmentally friendly alkali-activated composites containing clinker aggregate: heat-curing regime and elevated-temperature effect**
Bayrak B., İpek S., Alcan H. G., Kaplan G., Aydın A. C., Güneyisi E.
ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING, cilt.24, sa.4, 2024 (SCI-Expanded)
12. **Performance assessment of fiber-reinforced coral aggregate-based lightweight foam concrete for**

sustainable marine construction

Bayraktar O. Y., Danish A., Bodur B., Kaplan G., Aydın A. C., Ozbakkaloglu T.
Construction and Building Materials, cilt.449, 2024 (SCI-Expanded)

13. **A study on sustainable foam concrete with waste polyester and ceramic powder: Properties and durability**
Bayraktar O. Y., Tunçtan M., Benli A., Türkel İ., Kızılay G., KAPLAN G.
Journal of Building Engineering, cilt.95, 2024 (SCI-Expanded)
14. **Enhancing foam concrete: A comparative analysis of PLA+ fiber reinforcements with plain, hooked, and corrugated fibers**
Yildizel S. A., Acik M., KAPLAN G., Bayraktar O. Y.
Construction and Building Materials, cilt.443, 2024 (SCI-Expanded)
15. **Effects of silica fume and rice husk ash contents on engineering properties and high-temperature resistance of slag-based prepacked geopolymers**
Bayrak B., Alcan H. G., Tanyıldızı M., Kaplan G., İpek S., Aydın A. C., Güneysisi E.
Journal of Building Engineering, cilt.92, 2024 (SCI-Expanded)
16. **Mechanical and durability properties of polymer fiber reinforced one-part foam geopolymer concrete: A sustainable strategy for the recycling of waste steel slag aggregate and fly ash**
Ahiskalı A., Ahiskalı M., Bayraktar O. Y., KAPLAN G., Assaad J.
Construction and Building Materials, cilt.440, 2024 (SCI-Expanded)
17. **Experimental study of bond behavior of geopolymer concrete under different curing condition using a pull-out test**
Bayrak B., Akarsu O., KILIÇ M., Alcan H. G., ÇELEBİ O., KAPLAN G., AYDIN A. C.
Construction and Building Materials, cilt.439, 2024 (SCI-Expanded)
18. **Investigation on the sustainable use of different sizes of sawdust aggregates in eco-friendly foam concretes: Physico-mechanical, thermal insulation and durability characteristics**
Özkan İ. G. M., Aldemir K., Alhasan O., Benli A., Bayraktar O. Y., Yilmazoğlu M. U., KAPLAN G.
Construction and Building Materials, cilt.438, 2024 (SCI-Expanded)
19. **Valorization of Seawater as an Activator for Mixing and Curing Water in Mid-Strength Concrete Containing Class C Fly Ash: Strength, Economic and Environmental Benefits**
ARUNTAŞ H. Y., Korkmaz Y., Demir İ., KAPLAN G.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, cilt.48, sa.4, ss.2049-2059, 2024 (SCI-Expanded)
20. **Recycling of waste crushed stone powder for alkali-activated material production**
Li Z., KAPLAN G.
Journal of Material Cycles and Waste Management, cilt.26, sa.4, ss.2413-2434, 2024 (SCI-Expanded)
21. **Impact of rice husk ash on physico-mechanical, durability and microstructural features of rubberized lightweight geopolymer composite**
Abdullah M. Z., Bayraktar O. Y., Bassam A., Öz A., Mütevelli Ozkan I. G., Kaplan G.
CONSTRUCTION AND BUILDING MATERIALS, cilt.427, ss.1-15, 2024 (SCI-Expanded)
22. **Durability of green rubberized 3D printed lightweight cement composites reinforced with micro attapulgite and micro steel fibers: Printability and environmental perspective**
Bodur B., Işık M. A. M., Benli A., Bayrak B., Öz A., Bayraktar O. Y., Kaplan G., Aydın A. C.
JOURNAL OF BUILDING ENGINEERING, cilt.90, sa.109447, ss.1-28, 2024 (SCI-Expanded)
23. **FRACTURE PERFORMANCE OF FIBER REINFORCED GEOPOLYMER: SYNERGETIC PERSPECTIVE**
Gümüş M., Bayrak B., Alcan H. G., Kaplan G., Çelebi O., Aydın A. C.
JOURNAL OF BUILDING ENGINEERING, cilt.91, sa.12, ss.1-28, 2024 (SCI-Expanded)
24. **Sustainable use of silica fume and metakaolin in slag/fly ash-based self-compacting geopolymer composites: Fresh, physico-mechanical and durability properties**
Arslan S., Öz A., Benli A., Bayrak B., Kaplan G., Aydın A. C.
Sustainable Chemistry and Pharmacy, cilt.38, 2024 (SCI-Expanded)
25. **Synergetic effect of fibers on geopolymers: Cost-effective and sustainable perspective**

- Alcan H. G., Bayrak B., Öz A., Çelebi O., Kaplan G., Aydın A. C.
CONSTRUCTION AND BUILDING MATERIALS, cilt.414, ss.1-14, 2024 (SCI-Expanded)
26. **Physical, mechanical and microstructural properties of one-part semi-lightweight geopolymers based on metakaolin modified with gypsum and lime**
Shi J., Bayraktar O. Y., Bayrak B., Bodur B., Oz A., Kaplan G., Aydın A. C.
MATERIALS CHEMISTRY AND PHYSICS, cilt.313, ss.1-21, 2024 (SCI-Expanded)
27. **Performance assessment and cost analysis of slag/metakaolin based rubberized semi-lightweight geopolymers with perlite aggregate: Sustainable reuse of waste tires**
Bayraktar O. Y., Benli A., Bodur B., ÖZ A., KAPLAN G.
Construction and Building Materials, cilt.411, 2024 (SCI-Expanded)
28. **Assessment of the sustainability and producibility of adobe constructions reinforced with Ca-based binders: Environmental life cycle analysis (LCA) and 3D printability**
Genc G., Demircan R. K., BEYHAN F., KAPLAN G.
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.906, 2024 (SCI-Expanded)
29. **Physio-mechanical, durability and microstructural properties of sustainable permeable concrete reinforced with basalt fiber: reuse and recycling of waste polypropylene**
Dogan I., Yildizel S. A., KAPLAN G.
Clean Technologies and Environmental Policy, 2024 (SCI-Expanded)
30. **Utilizing genetic programming to evaluate and predict roller-compacted concrete pavements reinforced with coal powder and basalt fiber**
Yilmaz A., YILDIZEL S. A., Bahrami A., KAPLAN G.
INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING, cilt.25, sa.1, 2024 (SCI-Expanded)
31. **Feasibility of foam concrete using recycled brick and roof tile fine aggregates**
Bayraktar O. Y., Ahiskalı A., Ahiskalı M., Ekşioğlu F., KAPLAN G., Assaad J.
European Journal of Environmental and Civil Engineering, 2024 (SCI-Expanded)
32. **The Mechanical and Fracture Characteristics of Low Fiber Content Slurry-Infiltrated Fiber Concrete**
Gümüş M., Bayrak B., ÇELEBİ O., Alcan H. G., KAPLAN G., ÖZ A., AYDIN A. C.
Iranian Journal of Science and Technology - Transactions of Civil Engineering, cilt.47, sa.6, ss.3345-3356, 2023 (SCI-Expanded)
33. **The behavior of cold-formed steel geopolymeric composites**
KILIÇ M., Alcan H. G., ÇELEBİ O., Bayrak B., ÖZ A., Kaplan G., AYDIN A. C.
STRUCTURAL CONCRETE, cilt.24, sa.6, ss.7355-7377, 2023 (SCI-Expanded)
34. **Sustainable one-part alkali activated slag/fly ash Geo-SIFCOM containing recycled sands: Mechanical, flexural, durability and microstructural properties**
Bayraktar O. Y., Bozkurt T. H., Benli A., KÖKSAL F., Türkoğlu M., KAPLAN G.
Sustainable Chemistry and Pharmacy, cilt.36, 2023 (SCI-Expanded)
35. **Effect of using wastewater from the ready-mixed concrete plant on the performance of one-part alkali-activated GBFS/FA composites: Fresh, mechanical and durability properties**
Bodur B., Bayraktar O. Y., Benli A., KAPLAN G., Tobbala D. E., Tayeh B.
Journal of Building Engineering, cilt.76, 2023 (SCI-Expanded)
36. **Metakaolin-based geopolymer concretes for nuclear protection: On the perspective of physicochemical, durability, and microstructure**
Bayrak B., Kaplan G., Öz A., Kavaz E., Çelebi O., Alcan H. G., Mohabbi M., Aydın A. C.
STRUCTURAL CONCRETE, cilt.24, sa.5, ss.6644-6671, 2023 (SCI-Expanded)
37. **Improving the eco-efficiency of fiber reinforced composite by ultra-low cement content/high FA-GBFS addition for structural applications: Minimization of cost, CO2 emissions and embodied energy**
KAPLAN G., Bayraktar O. Y., Li Z., Bodur B., Yılmazoğlu M. U., Alcan B. A.
Journal of Building Engineering, cilt.76, 2023 (SCI-Expanded)
38. **The plastic hinge length prediction of RC members by using ANN**
Bayrak B., Akarsu O., KAPLAN G., AYDIN A. C.
Sadhana - Academy Proceedings in Engineering Sciences, cilt.48, sa.3, 2023 (SCI-Expanded)

39. **Physico-mechanical and microstructural properties of waste geopolymer powder and lime-added semi-lightweight geopolymer concrete: Efficient machine learning models**
Da Silveira Maranhão F., De Souza Junior F. G., Soares P., Alcan H. G., Çelebi O., Bayrak B., Kaplan G., Aydın A. C.
Journal of Building Engineering, cilt.72, 2023 (SCI-Expanded)
40. **Effect of waste COVID-19 face masks on self-compacting high-strength mortars exposed to elevated temperature**
DURMUŞ G., Nur Çelik D., Kılıç Demircan R., KAPLAN G.
Ain Shams Engineering Journal, cilt.14, sa.8, 2023 (SCI-Expanded)
41. **Synergic effect of some waste pozzolans on the mechanical and shielding properties of geopolymer concretes**
Bayrak B., Öz A., KAVAZ E., KAPLAN G., ÇELEBİ O., Alcan H. G., AYDIN A. C.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, cilt.178, sa.7-8, ss.855-884, 2023 (SCI-Expanded)
42. **A comprehensive characterization on geopolymer concretes with low content slag and quartz aggregates: the shielding features**
Alcan H. G., Bayrak B., Öz A., KAVAZ E., KAPLAN G., ÇELEBİ O., AYDIN A. C.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, cilt.178, sa.7-8, ss.769-798, 2023 (SCI-Expanded)
43. **Characterization study of geopolymer concretes fabricated with clinker aggregates**
Öz A., Bekem Kara İ., Bayrak B., Kavaz E., Kaplan G., Cüneyt Aydın A. C.
Construction and Building Materials, cilt.384, 2023 (SCI-Expanded)
44. **The effect of clinker aggregate on acid resistance in prepacked geopolymers containing metakaolin and quartz powder in the presence of ground blast furnace slag**
Bayrak B., Mostafa S. A., Öz A., Tayeh B. A., KAPLAN G., AYDIN A. C.
Journal of Building Engineering, cilt.69, 2023 (SCI-Expanded)
45. **Insulating and fire-resistant performance of slag and brick powder based one-part alkali-activated lightweight mortars**
KÖKSAL F., BAYRAKTAR O. Y., Bodur B., BENLİ A., KAPLAN G.
STRUCTURAL CONCRETE, cilt.24, sa.3, ss.3128-3146, 2023 (SCI-Expanded)
46. **Application of natural fibres in cement concrete: A critical review**
Hamada H. M., Shi J., Al Jawahery M. S., Majdi A., Yousif S. T., KAPLAN G.
Materials Today Communications, cilt.35, 2023 (SCI-Expanded)
47. **Effect of cement clinker type, curing regime and activator dosage on the performance of one-part alkali-activated hybrid slag/clinker composites**
Turkoglu M., Bayraktar O. Y., Benli A., KAPLAN G.
Journal of Building Engineering, cilt.68, 2023 (SCI-Expanded)
48. **The effect of animal and synthetic fibers on the physico-mechanical durability and microstructure properties of natural hydraulic lime-based mortars**
Demircan R. K., Tayeh B. A., ÇELİK D. N., KAPLAN G., Tobbala D. E.
Materials Today Communications, cilt.35, 2023 (SCI-Expanded)
49. **Optimization of without SCM concrete exposed to seawater according to minimum cost and CO2 emissions: Sustainable design with ABC algorithm**
KAPLAN G., Bayraktar O. Y., Bayraktar T.
Materials Today Communications, cilt.35, 2023 (SCI-Expanded)
50. **Mechanical, durability and microstructural characteristics of Portland pozzolan cement (PPC) produced with high volume pumice: Green, cleaner and sustainable cement development**
ULUSU H., Yılmaz Aruntaş H., Burcu Gültekin A., Dayı M., Çavuş M., KAPLAN G.
Construction and Building Materials, cilt.378, 2023 (SCI-Expanded)
51. **Physico-mechanical and shielding properties of alkali-activated slag composites incorporating cement clinker aggregate: Effect of high temperature and particle size**
Bayrak B., Öz A., Benli A., Kavaz E., Kaplan G., Aydın A. C.
Journal of Building Engineering, cilt.67, 2023 (SCI-Expanded)
52. **The effect of geopolymer slurries with clinker aggregates and marble waste powder on embodied**

energy and high-temperature resistance in prepacked concrete: ANFIS-based prediction model

KAPLAN G., ÖZ A., Bayrak B., AYDIN A. C.

Journal of Building Engineering, cilt.67, 2023 (SCI-Expanded)

53. **The engineering properties of high strength mortars incorporating juniper seed ash calcined at different temperatures: Comparison with other SCMs**
ÇELİK D. N., Demircan R. K., Shi J., KAPLAN G., DURMUŞ G.
Powder Technology, cilt.422, 2023 (SCI-Expanded)
54. **Effect of waste colemanite and PVA fibers on GBFS-Metakaolin based high early strength geopolymer composites (HESGC): Mechanical, microstructure and carbon footprint characteristics**
ÖZ A., Bayrak B., KAPLAN G., AYDIN A. C.
Construction and Building Materials, cilt.377, 2023 (SCI-Expanded)
55. **Preparation and characterization of a novel prepacked aggregate geopolymer: A feasibility study**
KAPLAN G., Shi J., ÖZ A., Bayrak B., Dheyaaldin M. H., AYDIN A. C.
POWDER TECHNOLOGY, cilt.421, 2023 (SCI-Expanded)
56. **Performance evaluation and cost analysis of prepacked geopolymers containing waste marble powder under different curing temperatures for sustainable built environment**
Danish A., ÖZ A., Bayrak B., KAPLAN G., AYDIN A. C., Ozbakkaloglu T.
Resources, Conservation and Recycling, cilt.192, 2023 (SCI-Expanded)
57. **Physico-mechanical, thermal insulation and resistance characteristics of diatomite and attapulgitite based geopolymer foam concrete: Effect of different curing regimes**
KAPLAN G., Yavuz Bayraktar O., Bayrak B., ÇELEBİ O., Bodur B., ÖZ A., AYDIN A. C.
Construction and Building Materials, cilt.373, 2023 (SCI-Expanded)
58. **The effect of steel fiber aspect-ratio and content on the fresh, flexural, and mechanical performance of concrete made with recycled fine aggregate**
Yavuz Bayraktar O., KAPLAN G., Shi J., Benli A., Bodur B., Turkoglu M.
Construction and Building Materials, cilt.368, 2023 (SCI-Expanded)
59. **Basalt fiber reinforced foam concrete with marble waste and calcium aluminate cement**
BAYRAKTAR O. Y., Yazar G., BENLİ A., KAPLAN G., GENÇEL O., SÜTÇÜ M., Kozłowski M., Kadela M.
STRUCTURAL CONCRETE, cilt.24, sa.1, ss.1152-1178, 2023 (SCI-Expanded)
60. **Hemp fiber reinforced one-part alkali-activated composites with expanded perlite: Mechanical properties, microstructure analysis and high-temperature resistance**
BAYRAKTAR O. Y., Tobbala D. E., Turkoglu M., KAPLAN G., Tayeh B. A.
CONSTRUCTION AND BUILDING MATERIALS, cilt.363, 2023 (SCI-Expanded)
61. **The use of waste marble for cleaner production of structural concrete: A comprehensive experimental study**
Gencil O., Nodehi M., Yavuz Bayraktar O., KAPLAN G., Benli A., KÖKSAL F., BİLİR T., Siddique R., Ozbakkaloglu T.
Construction and Building Materials, cilt.361, 2022 (SCI-Expanded)
62. **Development, characterization, and performance analysis of shape-stabilized phase change material included-geopolymer for passive thermal management of buildings**
GENÇEL O., Harja M., SARI A., HEKİMOĞLU G., USTAOĞLU A., SÜTÇÜ M., ERDOĞMUŞ E., KAPLAN G., BAYRAKTAR O. Y.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.15, ss.21841-21855, 2022 (SCI-Expanded)
63. **Characteristics, energy saving and carbon emission reduction potential of gypsum wallboard containing phase change material**
YARAŞ A., USTAOĞLU A., GENÇEL O., SARI A., Hekimoglu G., SÜTÇÜ M., ERDOĞMUŞ E., KAPLAN G., BAYRAKTAR O. Y.
JOURNAL OF ENERGY STORAGE, cilt.55, 2022 (SCI-Expanded)
64. **Properties of eco-friendly foam concrete containing PCM impregnated rice husk ash for thermal management of buildings**
GENÇEL O., SARI A., KAPLAN G., USTAOĞLU A., HEKİMOĞLU G., BAYRAKTAR O. Y., Ozbakkaloglu T.
JOURNAL OF BUILDING ENGINEERING, cilt.58, 2022 (SCI-Expanded)
65. **Usage of ready-mixed concrete plant wastewater in concrete with superplasticizer: Effect on**

physico-mechanical properties

ARUNTAŞ H. Y., Nalli E., KAPLAN G.

CONSTRUCTION AND BUILDING MATERIALS, cilt.348, 2022 (SCI-Expanded)

66. **The radiation shielding and microstructure properties of quartzic and metakaolin based geopolymer concrete**
Öz A., Bayrak B., Kavaz E., Kaplan G., Çelebi O., Alcan H. G., Aydın A. C.
Construction and Building Materials, cilt.342, 2022 (SCI-Expanded)
67. **The effect of limestone and bottom ash sand with recycled fine aggregate in foam concrete**
GENÇEL O., Balci B., BAYRAKTAR O. Y., Nodehi M., SARI A., KAPLAN G., Hekimog G., Gholampour A., BENLİ A., Ozbakkaloglu T.
JOURNAL OF BUILDING ENGINEERING, cilt.54, 2022 (SCI-Expanded)
68. **Mechanical durability and microstructural properties of sustainable high strength mortars ? ncorporated basalt fiber and copper slag: Taguchi optimization**
Abu Aeshah M. N. A., KAPLAN G.
CONSTRUCTION AND BUILDING MATERIALS, cilt.339, 2022 (SCI-Expanded)
69. **Foam Concrete Produced with Recycled Concrete Powder and Phase Change Materials**
GENÇEL O., Nodehi M., HEKİMOĞLU G., USTAOĞLU A., SARI A., KAPLAN G., BAYRAKTAR O. Y., SÜTÇÜ M., Ozbakkaloglu T.
SUSTAINABILITY, cilt.14, sa.12, 2022 (SCI-Expanded)
70. **Optimization of foam concrete characteristics using response surface methodology and artificial neural networks**
KURŞUNCU B., GENÇEL O., BAYRAKTAR O. Y., Shi J., Nematzadeh M., KAPLAN G.
CONSTRUCTION AND BUILDING MATERIALS, cilt.337, 2022 (SCI-Expanded)
71. **The effect of recycled fine aggregates treated as washed, less washed and unwashed on the mechanical and durability characteristics of concrete under MgSO4 and freeze-thaw cycles**
Bayraktar O. Y., KAPLAN G., Benli A.
Journal of Building Engineering, cilt.48, 2022 (SCI-Expanded)
72. **Effect of quartz powder on mid-strength fly ash geopolymers at short curing time and low curing temperature**
KAPLAN G., ÖZ A., Bayrak B., Alcan H. G., ÇELEBİ O., AYDIN A. C.
CONSTRUCTION AND BUILDING MATERIALS, cilt.329, 2022 (SCI-Expanded)
73. **Basalt fiber-reinforced foam concrete containing silica fume: An experimental study**
Gencil O., Nodehi M., Bayraktar O. Y., KAPLAN G., Benli A., Gholampour A., Ozbakkaloglu T.
CONSTRUCTION AND BUILDING MATERIALS, cilt.326, 2022 (SCI-Expanded)
74. **Investigation of physico-mechanical, thermal properties and solar thermoregulation performance of shape-stable attapulgite based composite phase change material in foam concrete**
Gencil O., Ustaoglu A., Benli A., HEKİMOĞLU G., SARI A., Erdogmus E., Sutcu M., KAPLAN G., Yavuz Bayraktar O.
Solar Energy, cilt.236, ss.51-62, 2022 (SCI-Expanded)
75. **Lightweight foam concrete containing expanded perlite and glass sand: Physico-mechanical, durability, and insulation properties**
GENÇEL O., BAYRAKTAR O. Y., KAPLAN G., Arslan O., Nodehi M., BENLİ A., Gholampour A., Ozbakkaloglu T.
CONSTRUCTION AND BUILDING MATERIALS, cilt.320, 2022 (SCI-Expanded)
76. **Usage of recycled fine aggregates obtained from concretes with low w/c ratio in the production of masonry plaster and mortar**
KAPLAN G., Turkoglu M., Bodur B., BAYRAKTAR O. Y.
Environment, Development and Sustainability, cilt.24, sa.2, ss.2685-2714, 2022 (SCI-Expanded)
77. **High temperature resistant restoration mortar with fly ash and GGBFS**
Demircan R. K., KAPLAN G., ÇELİK D. N.
JOURNAL OF SUSTAINABLE CEMENT-BASED MATERIALS, cilt.11, sa.6, ss.418-438, 2022 (SCI-Expanded)
78. **The impact of natural and calcined zeolites on the mechanical and durability characteristics of glass fiber reinforced cement composites**

- KAPLAN G., Coskan U., BENLİ A., BAYRAKTAR O. Y., Kucukbaltaci A. B.
CONSTRUCTION AND BUILDING MATERIALS, cilt.311, 2021 (SCI-Expanded)
79. **The impact of RCA and fly ash on the mechanical and durability properties of polypropylene fibre-reinforced concrete exposed to freeze-thaw cycles and MgSO₄ with ANN modeling**
BAYRAKTAR O. Y., Eshtewi S. S. T., BENLİ A., KAPLAN G., Toklu K., Gunek F.
CONSTRUCTION AND BUILDING MATERIALS, cilt.313, 2021 (SCI-Expanded)
80. **The effects of cement type and expanded vermiculite powder on the thermo- mechanical characteristics and durability of lightweight mortars at high temperature and RSM modelling**
KÖKSAL F., Nazli T., BENLİ A., GENÇEL O., KAPLAN G.
CASE STUDIES IN CONSTRUCTION MATERIALS, cilt.15, 2021 (SCI-Expanded)
81. **Influence of bottom ash and polypropylene fibers on the physico-mechanical, durability and thermal performance of foam concrete: An experimental investigation**
GENÇEL O., Kazmi S. M. S., Munir M. J., KAPLAN G., BAYRAKTAR O. Y., Yarar D. O., Karimipour A., Ahmad M. R.
CONSTRUCTION AND BUILDING MATERIALS, cilt.306, 2021 (SCI-Expanded)
82. **Effect of high volume fly ash and micro-steel fiber on flexural toughness and durability properties in self-compacting lightweight mortar (SCLM)**
KAPLAN G., BAYRAKTAR O. Y., MEMİŞ S.
CONSTRUCTION AND BUILDING MATERIALS, cilt.307, 2021 (SCI-Expanded)
83. **Mechanical and durability properties of steel fiber-reinforced concrete containing coarse recycled concrete aggregate**
KAPLAN G., Bayraktar O. Y., Gholampour A., Gencil O., KÖKSAL F., Ozbakkaloglu T.
STRUCTURAL CONCRETE, cilt.22, sa.5, ss.2791-2812, 2021 (SCI-Expanded)
84. **Effect of cement dosage and waste tire rubber on the mechanical, transport and abrasion characteristics of foam concretes subjected to H₂SO₄ and freeze-thaw**
BAYRAKTAR O. Y., Soylemez H., KAPLAN G., BENLİ A., GENÇEL O., Turkoglu M.
CONSTRUCTION AND BUILDING MATERIALS, cilt.302, 2021 (SCI-Expanded)
85. **Microstructure and durability properties of lightweight and high-performance sustainable cement-based composites with rice husk ash**
KAPLAN G., Salem Elmekahal M. A.
Environmental Science and Pollution Research, cilt.28, ss.52936-52962, 2021 (SCI-Expanded)
86. **Characteristics of hemp fibre reinforced foam concretes with fly ash and Taguchi optimization**
GENÇEL O., BAYRAKTAR O. Y., KAPLAN G., BENLİ A., Martinez-Barrera G., Brostow W., Tek M., Bodur B.
CONSTRUCTION AND BUILDING MATERIALS, cilt.294, 2021 (SCI-Expanded)
87. **Effect of waste marble powder and rice husk ash on the microstructural, physico-mechanical and transport properties of foam concretes exposed to high temperatures and freeze-thaw cycles**
Gencil O., Benli A., Bayraktar O. Y., KAPLAN G., Sutcu M., Elabade W. A. T.
Construction and Building Materials, cilt.291, 2021 (SCI-Expanded)
88. **Physico-mechanical, durability and thermal properties of basalt fiber reinforced foamed concrete containing waste marble powder and slag**
Yavuz Bayraktar O., KAPLAN G., Gencil O., Benli A., Sutcu M.
Construction and Building Materials, cilt.288, 2021 (SCI-Expanded)
89. **The impact of recycled coarse aggregates obtained from waste concretes on lightweight pervious concrete properties**
KAPLAN G., Gulcan A., Cagdas B., BAYRAKTAR O. Y.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.28, sa.14, ss.17369-17394, 2021 (SCI-Expanded)
90. **Artificial Neural Network Estimation of the Effect of Varying Curing Conditions and Cement Type on Hardened Concrete Properties**
Kaplan G., Yaprak H., Memiş S., Alnkaa A.
BUILDINGS, cilt.9, sa.1, 2019 (SCI-Expanded)
91. **The Optimization of Calcareous Fly Ash-Added Cement Containing Grinding Aids and Strength-Improving Additives**

Kaplan G., Yildizel S. A., Memis S., Ozturk A. U.

ADVANCES IN CIVIL ENGINEERING, cilt.2018, 2018 (SCI-Expanded)

92. **A study of some durability properties of mortars with white cement and Portland cement** Studiul unor caracteristici de durabilitate ale mortarelor preparate cu ciment alb și ciment Portland
Öztürk A. U., Kaplan G.
Revista Romana de Materiale/ Romanian Journal of Materials, cilt.47, sa.3, ss.315-321, 2017 (SCI-Expanded)
93. **Glass fibre reinforced concrete rebound optimization**
Yildizel S. A., Yiğit M. E., Kaplan G.
CMES - Computer Modeling in Engineering and Sciences, cilt.113, sa.2, ss.211-227, 2017 (SCI-Expanded)
94. **Cost Optimization of Mortars Containing Different Pigments and Their Freeze-Thaw Resistance Properties**
Yildizel S. A., Kaplan G., Ozturk A. U.
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, cilt.2016, 2016 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- The Mechanical and Durability Properties of Cement Mortars with Different Types of Fibers and Chemical Admixtures**
çankal d., Ozturk A. U., Kaplan G.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, cilt.26, sa.76, ss.98-104, 2024 (Hakemli Dergi)
- THE ENGINEERING PERFORMANCE OF ECO-FRIENDLY CONCRETES CONTAINING DIATOMITE FLY ASH AND GROUND GRANULATED BLAST FURNACE SLAG**
ARUNTAŞ H. Y., YILDIZ E. R. K. A. N., KAPLAN G.
ACTA POLYTECHNICA, cilt.62, sa.5, ss.505-521, 2022 (ESCI)
- Farklı çimentolardan üretilen köpük betonlarda atık lastiklerin hafif agrega olarak kullanımı**
BAYRAKTAR O. Y., KAPLAN G.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.11, sa.3, ss.692-703, 2021 (Hakemli Dergi)
- Experimental Investigation of Thermal Performance of XPS Insulated Exterior Walls**
KAPLAN G., ARUNTAŞ H. Y.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.24, sa.2, ss.645-653, 2021 (ESCI)
- Investigation of the Usage Areas of Different Fiber Reinforced Concrete**
AMAİTİK ALTERA A. Z., BAYRAKTAR O. Y., BODUR B., KAPLAN G.
Kastamonu University Journal of Engineering and Sciences, cilt.7, sa.1, ss.7-18, 2021 (Hakemli Dergi)
- The effect of hemp fiber usage on the mechanical and physical properties of cement based mortars**
KAPLAN G., BAYRAKTAR O. Y.
Research on Engineering Structures and Materials, cilt.7, sa.2, ss.245-258, 2021 (Scopus)
- Investigation of Properties of Concrete Produced with Recycled Aggregates**
ALTERA A. Z. A., BAYRAKTAR O. Y., Bodur B., KAPLAN G.
Journal of Cement Based Composites, cilt.1, sa.2, ss.26-34, 2020 (Hakemli Dergi)
- ÇİMENTO VE UÇUCU KÜL BÜNYESİNDEKİ AĞIR METALLERİN ETKİLERİNİN HİDRATASYON VE ÇEVRE SAĞLIĞI AÇISINDAN İNCELENMESİ**
KAPLAN G., ÖZTÜRK A. U., UĞUR KAPLAN A. B.
Mühendislik Bilimleri ve Tasarım Dergisi, cilt.8, sa.1, 2020 (Hakemli Dergi)
- Cure Conditions on the Shrinkage of Geopolymer Mortar**
Alnkaa A., YAPRAK H., MEMİŞ S., KAPLAN G.
International Journal Of Engineering Research And Development, cilt.14, sa.10, ss.51-55, 2019 (Hakemli Dergi)
- Dimensional Stability and Microstructural Properties of Cements with Different C3A Contents**
KAPLAN G., ÖZTÜRK A. U.
INAE Letters, cilt.4, ss.15-26, 2019 (Hakemli Dergi)

11. **Effects of different curing conditions on the properties of geopolymeric mortar**
YAPRAK H., Alnkaa A., MEMİŞ S., KAPLAN G.
MOJ Civil Engineering, cilt.5, sa.1, ss.45-50, 2019 (Hakemli Dergi)
12. **Cost optimization of Colored Gypsum Composites**
YILDIZEL S. A., KAPLAN G.
Uluslararası Muhendislik Arastirma ve Gelistirme Dergisi, cilt.11, sa.1, ss.200-210, 2019 (Hakemli Dergi)
13. **Effects on Compressive Strenght of Accelerated Curing Methods in Alkali Activated Mortars**
YAPRAK H., MEMİŞ S., KAPLAN G., YILMAZOĞLU M. U., MÜTEVELLİ ÖZKAN İ. G.
International Journal of Scientific and Technological Research, cilt.4, sa.5, ss.70-78, 2018 (Hakemli Dergi)
14. **Effect Of Industrial Wastes As Replacement Of Fine Aggregate On Properties Of Concrete**
YAPRAK H., MEMİŞ S., KAPLAN G.
Journal of Scientific and Engineering Research, cilt.4, sa.12, ss.228-235, 2017 (Hakemli Dergi)
15. **Jeopolimer Betonun Hayvan Barınaklarında KullanılabilmePotansiyelinin Araştırılması**
MEMİŞ S., KAPLAN G., YILDIZEL S. A.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, cilt.5, sa.11, ss.1365-1370, 2017 (Hakemli Dergi)
16. **Determiation of the Plasticity Index of Soils with Fine-Grained Soils Using Methylene Blue Test**
ÜNVER OTÇU N., UZUNDURUKAN S., KAPLAN G.
Journal of Geoscience and Environment Protection, 2017 (Hakemli Dergi)
17. **MAJOR CONSTRUCTIONAL DISPUTE CAUSES IN TURKEY**
Yildizel S. A., Dogan E., Kaplan G., Ergut A.
ARCHIVES OF CIVIL ENGINEERING, cilt.62, sa.4, ss.193-202, 2016 (ESCI)
18. **Demir Oksit Katkılı Pigmentler Kullanılarak Üretilen Cam Lifi Takviyeli Mimari Betonların Donma-Çözülme Dayanıklılığının İncelenmesi**
KAPLAN G., YILDIZEL S. A., ÖZTÜRK A. U., DOĞAN E.
Kastamonu University Journal of Engineering and Sciences, cilt.2, sa.2, ss.1-9, 2016 (Hakemli Dergi)
19. **FARKLI KÜR KOŞULLARININ TABAN KÜLÜ KATKILI GEPOLİMERLERİN TERMAL VE MEKANİK ÖZELLİKLERİNE ETKİSİ**
YAPRAK H., KAPLAN G.
Tübav Bilim Dergisi, 2016 (Hakemli Dergi)
20. **The optimization of biopolymer additive cements on the behavior of freezing and thawing cycles**
YILDIZEL S. A., KAPLAN G., ÖZTÜRK A. U.
European International Journal of Science and Technology, cilt.4, sa.7, ss.116-126, 2015 (Hakemli Dergi)
21. **Kimyasal Katkılarıdaki Hidroliz Sürecinin Taze ve Sertleşmiş Beton Özellikleri Üzerindeki Etkisi**
KAPLAN G., BEKEM İ.
Ejovoc, cilt.5, sa.5, ss.54-60, 2015 (Hakemli Dergi)
22. **A study on the effects of weather conditions on the worker health andperformance in a construction site**
Yıldızel S. A., Kaplan G., Arslan Y., Yıldırım M. S., Öztürk A. U.
Journal of Engineering Research and Applied Science, cilt.4, sa.1, ss.291-295, 2015 (Hakemli Dergi)
23. **The importance of innovation and leadership education in civil engineering discipline**
YILDIZEL S. A., KAPLAN G., ARSLAN Y., ÖZTÜRK A. U., EVRENSEL M., YURDUSEV M. A.
Journal of Engineering Research and Applied Science, cilt.4, sa.2, ss.303-306, 2015 (Hakemli Dergi)
24. **Seramik Atıklarının Çimento İkame Malzemesi Olarak Kullanılması ve Asit Dayanıklılığının İncelenmesi**
Kalınçimen G., ÖZTÜRK A. U., KAPLAN G., YILDIZEL S. A.
Kastamonu Üniversitesi Mühendislik ve Fen Bilimleri Dergisi, 2015 (Hakemli Dergi)
25. **Freeze-Thaw Resistance Of Light-Coloured Basalt Fibre Reinforced Concrete Used For Concrete Paving**
YILDIZEL S. A., KAPLAN G., ÖZTÜRK A. U., ARSLAN Y.
Journal of Engineering Research and Applied Science, cilt.3, sa.2, ss.252-259, 2015 (Hakemli Dergi)

26. **A research on civil engineering students past video game playing experiences**
YILDIZEL S. A., KAPLAN G., DOĞAN E., ARSLAN Y., ÖZTÜRK A. U.
Journal of Engineering Research and Applied Science, cilt.4, sa.2, ss.296-302, 2015 (Hakemli Dergi)
27. **Dissolution properties of different types of plasticizers and investigation of their impact on mortars via variance analysis ANOVA**
KAPLAN G., ÖZTÜRK A. U., YILDIZEL S. A., YAPRAK H.
Usak University Journal of Material Sciences, cilt.3, sa.2, ss.208, 2014 (Hakemli Dergi)
28. **Cem I Cem IIIA ve Borlu Çimento Harçları Üzerine Farklı Agresif Koşulların Etkisi**
YAPRAK H., DEMİR İ., KAPLAN G.
Politeknik Dergisi, 2011 (Hakemli Dergi)

Kitap & Kitap Bölümleri

1. **Sürdürülebilir Yapı Malzemeleri ve Uygulamaları-1**
Yıldız S. A., Çalış G., Kaplan G.
Gece Kitaplığı, Ankara, 2021
2. **Araştırma ve Geliştirme Projelerinde Proje Yönetimi Uygulamaları**
YILDIZEL S. A., ARSLAN Y., KAPLAN G.
KUTLU YAYINEVİ, 2017

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

1. **EXPERIMENTAL INVESTIGATION OF THE EFFECT OF WASTE RICE HUSK ON THE PHYSICAL, MECHANICAL AND HIGH TEMPERATURE PROPERTIES OF GEOPOLYMER CONCRETE**
Korkulu G., ÖZ A., KAPLAN G., BAYRAK B., AYDIN A. C.
EGE 10th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES December 22 -24, 2023 – IZMIR, İzmir, Türkiye, 22 Aralık 2023, ss.1073-1083
2. **EXPERIMENTAL INVESTIGATION OF MECHANICAL, PHYSICAL AND HIGH TEMPERATURE PROPERTIES OF GEOPOLYMER CONCRETE CONTAINING WASTE TIRE POWDER**
Çil H., ÖZ A., KAPLAN G., BAYRAK B., AYDIN A. C.
Ases International Bandırma Scientific Studies Conference October 27-29, 2023, Balıkesir, Türkiye, Balıkesir, Türkiye, 27 - 29 Ekim 2023, ss.118-129
3. **Experimental investigation of the mechanical and physical properties of geopolymer concrete containing zeolite**
efe m., ÖZ A., BAYRAK B., KAPLAN G., KILIÇ M., ALCAN H. G., ÇELEBİ O., AYDIN A. C.
Proceedings of 3rd International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Türkiye, 12 Ekim 2023, cilt.1, ss.739-750
4. **THE EFFECT OF ALKALI SOLUTION ON THE PROPERTIES OF LIGHTWEIGHT GEOPOLYMER CONCRETE CONTAINING PERLITE AND PUMICE**
ÖZ A., BAYRAK B., KAPLAN G., AYDIN A. C.
2. International Pumice and Perlite Symposium (PuPeS'23 Cappadocia) September 7-9 2023 NEVŞEHİR, Nevşehir, Türkiye, 07 Eylül 2023
5. **MECHANICAL PROPERTIES OF METAKAOLIN BASED GEOPOLYMERS USING WASTE GEOPOLYMER POWDER AND LIME**
KAPLAN G., ÇELEBİ O., ÖZ A., ALCAN H. G., BAYRAK B., AYDIN A. C.
6th International Conference on Computational Mathematics and Engineering Sciences, Ordu, Türkiye, 20 Mayıs 2022, cilt.1, ss.210-221
6. **Köpük Betonlarda Atık Lastiğin Agrega Olarak Kullanılabilirliği**
TÜRKOĞLU M., YAKUPOĞLU U., KAPLAN G., BAYRAKTAR O. Y.

- 3.Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Türkiye, 22 - 24 Ekim 2021
7. **Atık Asfaltın Köpük Betonda Kullanımı**
YAKUPOĞLU U., TÜRKOĞLU M., BAYRAKTAR O. Y., KAPLAN G.
3.Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Türkiye, 22 - 24 Ekim 2021
8. **Deniz Suyu Kullanımının Harçların Mekanik ve Durabilite Özelliklerine Etkisi**
KÜÇÜKBALTACI A. B., GÜNEK F., BAYRAKTAR O. Y., KAPLAN G.
3.Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Türkiye, 22 - 24 Ekim 2021, ss.279-286
9. **The Effect of Curing Temperature on the Early Age Properties of Granulated Furnace Slag Based Reactive Geopolymer Concrete**
Kaplan G., Öz A., Bayrak B., Alcan H. G., Çelebi O., Aydın A. C.
First Internaional Geopolymeric Composites Congress, Erzurum, Türkiye, 29 - 30 Aralık 2021, ss.9-16
10. **Atık Metalik Liflerle Üretilen Sifcon Kompozitlerinin Özelliklerinin Araştırılması**
BOZKURT T. H., TÜRKOĞLU M., KAPLAN G., BAYRAKTAR O. Y.
3.Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Türkiye, 22 - 24 Ekim 2021
11. **Köpük Betonlarda Taban Külünün Hafif Agrega Olarak Değerlendirilmesi**
BODUR B., KAPLAN G., BAYRAKTAR O. Y.
Uluslararası Bilimsel Araştırmalar ve Yenilikçi Çalışmalar Sempozyumu, Türkiye, 22 - 25 Şubat 2021, ss.872-883
12. **Kalsiyum Alüminat Çimentolarının Köpük Beton Üretiminde Kullanımının İncelenmesi**
BODUR B., BAYRAKTAR O. Y., KAPLAN G.
1.Uluslararası Mühendislik ve Mimarlık Kongresi, Ankara, Türkiye, 16 - 17 Ocak 2021, ss.360-383
13. **İnşaat Projelerinde Risk Yönetimi Ve İş Sağlığı Ve Güvenliği Açısından Örnek Bir Risk Değerlendirmesi**
KARSLIOĞLU Y. E., BALCI B., BAYRAKTAR O. Y., KAPLAN G.
5rd International Congress On Engineering, Architecture And Design, 21 - 22 Aralık 2019
14. **Raylı Sistemlerin Yapı Bilgi Modellemesi (YBM) İle Entegrasyonu (Ataköy-İkitelli Projesi İnşaatı Örneği)**
BALCI B., KAPLAN G., BAYRAKTAR O. Y.
5rd International Congress On Engineering, Architecture And Design, 21 - 22 Aralık 2019
15. **Floor Coating Materials**
ATEYA T., BALCI B., BAYRAKTAR O. Y., KAPLAN G.
5rd International Congress On Engineering, Architecture And Design, İstanbul, Türkiye, 21 - 22 Aralık 2019, ss.431-438
16. **Optimization of Durability Characteristics of White Cement Mortars**
ÖZTÜRK A. U., KAPLAN G., ÇANKAL D.
International Symposium on Academic Studies in Science, Engineering and Architechture Studies, Ankara, Türkiye, 15 - 17 Kasım 2019
17. **Microstructure Properties of Sulfate-Effected Blast Furnace Slag Reinforced Restoration Mortars**
KILIÇ DEMİRCAN R., KAPLAN G.
4TH INTERNATIONAL SUSTAINABLE BUILDINGS SYMPOSIUM, Dallas, Amerika Birleşik Devletleri, 18 - 20 Temmuz 2019, ss.323-333
18. **Effect of Adding Glass Powder in Geopolymer Concrete**
Aİ ANNAKOA M., MEMİŞ S., KAPLAN G., YAPRAK H.
ICELIS 2019, Kastamonu, Türkiye, 11 - 14 Nisan 2019, cilt.1, ss.480-484
19. **Use of Marble Powder and Fly Ash in Self-Compacting Concrete**
Enbaya M., MEMİŞ S., KAPLAN G., YAPRAK H.
ICELIS 2019, Kastamonu, Türkiye, 11 - 14 Nisan 2019, cilt.1, ss.485-488
20. **Effect of Waste Tire Rubber and Fly Ash on Lightweight Geopolymer Concrete Production**
Enbaya M., MEMİŞ S., KAPLAN G., YAPRAK H.
ICELIS 2019, Kastamonu, Türkiye, 11 - 14 Nisan 2019, cilt.1, ss.475-479
21. **Farklı Klinkerlerden Üretilen Çimentoların Öğütülebilirlik Mekanik ve Mikroyapı Özellikleri**
KAPLAN G., ÖZTÜRK A. U.

- 10.Uluslararası Katılımlı Beton Kongresi, 2 - 04 Mayıs 2019
22. **Determination of The Physical and Mechanical Properties of the Materials Used in The Northern City Walls of Historical Sinop Castle**
KILIÇ DEMİRCAN R., KAPLAN G., ÜNAY A. İ.
WMCAUS 2018, PRAG, Çek Cumhuriyeti, 18 - 22 Haziran 2018, cilt.471, ss.82039
23. **Microwave Curing Effect on Internal Sulphate Damage in Nano Alumina Reinforced White Cement**
KAPLAN G., KILIÇ DEMİRCAN R., ÇAKMAK C., GÜLTEKİN A. B.
WMCAUS 2018, PRAG, Çek Cumhuriyeti, 18 - 22 Haziran 2018, cilt.471, ss.32038
24. **A STUDY ON THE WATER CONSERVATION MEASURES IN GREEN BUILDINGS**
GÜLTEKİN A. B., KAPLAN G., KILIÇ DEMİRCAN R., ARUNTAŞ H. Y.
3rd International Energy Engineering Congress, Gaziantep, Türkiye, 18 - 19 Ekim 2018
25. **A STUDY ON THE POSSIBLE USE OF INDUSTRIAL WASTE IN ROLLERCOMPACTED CONCRETE PAVEMENT**
KAPLAN G., ARUNTAŞ H. Y., KILIÇ DEMİRCAN R., GÜLTEKİN A. B.
3rd International Energy Engineering Congress, Gaziantep, Türkiye, 18 - 19 Ekim 2018
26. **The Effects of Steam Curing Time on the Geopolymer Mortar**
YAPRAK H., Alnkaa A., MEMİŞ S., KAPLAN G.
ICELIS 2018, Kastamonu, Türkiye, 26 Nisan - 29 Haziran 2018, ss.224
27. **Determination of the Some Mechanical Properties of Alkali Activated Composites**
YAPRAK H., MEMİŞ S., KAPLAN G., YILMAZOĞLU M. U., MÜTEVELLİ ÖZKAN İ. G.
ICELIS 2018, Kastamonu, Türkiye, 26 - 29 Nisan 2018, ss.591
28. **TUĞLA ATIKLARI, BİMS VE TABAN KÜLÜNÜN KIRMA KUM YERİNE KULLANIMININ ARAŞTIRILMASI**
MEMİŞ S., YAPRAK H., KAPLAN G.
1st International Turkish World Engineering and Science Congress in Antalya, December 7-10, 2017, Turkey, Antalya, Türkiye, 7 - 10 Aralık 2017, cilt.1, ss.515-524
29. **A Study on the Usage of Basalt Fibers and Pigment in Architectural Concrete Production**
ÜSTÜNER M. A., KAPLAN G., ÖZTÜRK A. U., DOĞAN E.
1. International University Industry Cooperation, RD and Innovation Congress, Manisa, Türkiye, 18 - 19 Aralık 2017
30. **Tuğla Atıkları ve Taban Külünün Kıрма Kum Yerine Kullanımının Araştırılması**
MEMİŞ S., YAPRAK H., KAPLAN G.
I. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, 7 - 10 Aralık 2017
31. **Farklı Sıcaklık ve Sürelerde Kalsine edilmiş Killerin Kireç Harcına Etkisi**
MEMİŞ S., KAPLAN G., YILMAZOĞLU M. U., YAPRAK H., MÜTEVELLİ İ. G.
6. Tarihi Yapıların Korunması ve Güçlendirilmesi Sempozyumu, Trabzon, Türkiye, 2 - 04 Kasım 2017, ss.133-142
32. **YÜKSEK FIRIN CÜRUFU VE BAZALT LİFİ TAKVİYELİ RESTORASYON HARÇLARININ SÜLFAT DAYANIKLILIĞININ İNCELENMESİ**
KILIÇ DEMİRCAN R., KAPLAN G.
ULUSLARARASI KATILIMLI 6. TARİHİ YAPILARIN KORUNMASI VE GÜÇLENDİRİLMESİ SEMPOZYUMU, Trabzon, Türkiye, 2 - 04 Kasım 2017, ss.123-131
33. **A Study On The Use Of Advanced Nondestructive Testing Methods On Historic Structures**
TUĞLA R., KILIÇ DEMİRCAN R., KAPLAN G.
3rd INTERNATIONAL SUSTAINABLE BUILDINGS SYMPOSIUM, Dubai, Birleşik Arap Emirlikleri, 15 - 17 Mart 2017, ss.536-549
34. **BEHAVIORS OF MORTAR SAMPLES WITH WASTE BRICK AND CERAMIC UNDER FREEZE-THAW EFFECT**
MEMİŞ S., MÜTEVELLİ İ. G., YILMAZOĞLU M. U., KAPLAN G., YAPRAK H.
3rd International Sustainable Buildings Symposium (ISBS 2017), 15-17 March 2017, Dubai, Dubai, Birleşik Arap Emirlikleri, 15 - 17 Mart 2017, cilt.2, ss.189-205
35. **ORMAN ENDÜSTRİSİ ATIK KÜLLERİ ve YÜKSEK ORANDA SU AZALTICI KATKILARIN KENDİLİĞİNDEN YERLEŞEN HARÇLAR ÜZERİNDEKİ ETKİLERİ**

- MEMİŞ S., KAPLAN G., YILMAZOĞLU M. U., MÜTEVELLİ İ. G., YAPRAK H.
Uluslararası Yapılarda Kimyasal Katkılar 5. Sempozyumu ve Sergisi, Ankara, Türkiye, 19 - 20 Ekim 2017, ss.491-506
36. **Akışkanlaştırıcı Özellikleri ve Çimento Sıcaklığının Harç Özelliklerine Etkileri**
KAPLAN G., YILMAZOĞLU M. U., MEMİŞ S., MÜTEVELLİ İ. G., YAPRAK H.
Uluslararası Yapılarda Kimyasal Katkılar 5. Sempozyumu ve Sergisi, Ankara, Türkiye, 19 - 20 Ekim 2017, ss.167-184
37. **Öğütme Kolaylaştırıcı ve Dayanım Arttırıcı Katkılarının Kalkersi Uçucu Kül Katkılı Çimentolarda Kullanımı**
KAPLAN G., ÖZTÜRK A. U., YILDIZEL S. A., KILIÇ DEMİRCAN R.
BETON 2017 - THBB, Türkiye, 13 - 14 Nisan 2017
38. **DETERMINATION OF READY MIXED CONCRETE CONSISTENCY IMAGE PROCESSING METHOD**
KARABULUT Y., YILDIZEL S. A., KAPLAN G.
International Symposium on Multidisciplinary Studies (ISMS), 20 - 23 Ekim 2016
39. **Presentation title Investigation Of Thermo Mecanical Properties At Plaster Inculuded Waste Ceramics And Bricks**
MEMİŞ S., KAPLAN G., YAPRAK H., YILMAZOĞLU M. U., MÜTEVELLİ İ. G.
The 8th Multidisciplinary Academic Conference, 14 - 15 Ekim 2016
40. **Analysis of Restoration Mortars Used For Strengthening of Historical Buildings in the Context of Sustainability Criteria**
KILIÇ DEMİRCAN R., KAPLAN G., GÜLTEKİN A. B.
International Conference on Sustainable Built Environment, 13 - 15 Ekim 2016
41. **Biyopolimer Katkılı Çimentoların Donma Çözülme Etkisi Altındaki Davranışının İncelenmesi**
Ortaç M., ÖZTÜRK A. U., KAPLAN G., YILDIZEL S. A.
II. Uluslararası Sürdürülebilir Yapılar Sempozyumu, 28 - 30 Mayıs 2015
42. **Alkalilerle Aktive Edilmiş Taban Külü ve Yüksek Fırın Cürufu Esaslı Harçların Mekanik Özellikleri**
YAPRAK H., KAPLAN G., DEMİR İ.
II. Uluslararası Sürdürülebilir Yapılar Sempozyumu, 28 - 30 Mayıs 2015
43. **Farklı Viskozite Değerlerine Sahip Püskürtme Beton Karışımlarının Geri Sıçrama Optimizasyonunun Abaqus CAE Programıyla İncelenmesi**
YILDIZEL S. A., YİĞİT M. E., ÖZTÜRK A. U., KAPLAN G.
9. Ulusal Beton Kongresi, Türkiye, 16 - 18 Nisan 2015
44. **Effect of Silica Fume and Fly Ash on the Strength Development of Boron Active Belite Cement**
GÖKÇE H. S., ŞİMŞEK O., ANDIÇ ÇAKIR Ö., KAPLAN G.
10th International Congress on Advances in Civil Engineering, Ankara, Türkiye, 17 Eylül 2012
45. **Yapı Sektöründe Uçucu Kül Kullanımının Çevresel ve Toplumsal Etkileri Açısından İncelenmesi**
KAPLAN G., GÜLTEKİN A. B.
Uluslararası Sürdürülebilir Yapılar Sempozyumu, 26 Mayıs 2010

Verdiği Dersler

Seçmeli Tasarım II, Lisans, 2022 - 2023

İnşaat Mühendisliği Uygulamaları, Lisans, 2022 - 2023

Sürdürülebilir Çimento Üretimi, Yüksek Lisans, 2023 - 2024

Ferrocement, Yüksek Lisans, 2022 - 2023

Sülfatlı Ortamlara Maruz Beton, Yüksek Lisans, 2023 - 2024

İnşaat Mühendisliği Uygulamaları, Lisans, 2022 - 2023

Seçmeli Tasarım I, Lisans, 2023 - 2024

İş Sağlığı ve Güvenliği II, Lisans, 2020 - 2021

İş Sağlığı ve Güvenliği II, Lisans, 2020 - 2021

İş Sağlığı ve Güvenliği II, Lisans, 2020 - 2021

Bilgisayar Programlama, Lisans, 2020 - 2021

Teknik Resim, Lisans, 2020 - 2021

Etkinlik Organizasyonlarındaki Görevler

Kan A., Bayrak B., Aydın A. C., KAPLAN G., Geopolymeric Composites Congress, Bilimsel Kongre / Sempozyum Organizasyonu, Erzurum, Türkiye, Aralık 2021

Aydın A. C., Çelebi O., KAPLAN G., DEMİR N., International Congress on the Phenomenological Aspect of Civil Engineering , Bilimsel Kongre / Sempozyum Organizasyonu, Erzurum, Türkiye, Haziran 2021

Metrikler

Yayın: 175

Atıf (WoS): 1497

Atıf (Scopus): 1710

H-İndeks (WoS): 24

H-İndeks (Scopus): 26

Araştırma Alanları

Yapı , Yapı Malzemesi